

Claims:

1. A bottle (1), in particular a baby bottle, comprising a bottle jacket (2) open on both sides, wherein a base cap (8) including an air intake valve (13) is fastened to a bottom-side end region (4) of the bottle jacket (2), and a teat (9) is fastened to the opposite, teat-side end region, which teat comprises a shaft (21) and a nipple (23) following said shaft via a lip contacting region (22), characterized in that the bottle jacket (2) has a substantially conical shape widening from a teat-side end region to its bottom-side end region (4) and the wall thickness of the shaft (21) of the teat (9) is greater than the wall thickness of the teat (9) in the lip contacting region (22) and of the nipple (23).
  
2. A bottle according to claim 1 or 2, characterized in that an end region (3, 4) each provided with a thread (5, 6) for receiving a cap (7, 8) adjoins the two open ends of the bottle jacket (2).
  
3. A bottle according to claim 2, characterized in that a teat (9) is fastened by means of a sleeve cap (7) to the end region (3) having the smaller diameter, a teat flange (10) being clamped between the sleeve cap (7) and a front face (3') of the end region (3) by screwing engagement of the sleeve cap (7) with the bottle jacket (2).
  
4. A bottle according to claim 2 or 3, characterized in that a base cap (8) having an air intake valve (13) is screwed to the bottom-side end region (4) of the bottle jacket (2).
  
5. A bottle according to any one of claims 1 to 4, characterized in that a diaphragm (14) is received in the base cap (8) for forming the air intake valve (13), a fastening

flange (19) of the diaphragm (14) being clamped between the front face (4') of the bottom-side end region (4) and the base cap (8).

6. A bottle according to any one of claims 1 to 5, characterized in that at least one air intake opening (18) is provided in the base cap (8).

7. A bottle according to claim 5 or 6, characterized in that the diaphragm (14) has a shape corresponding to the cup-shaped design of the base cap (8).

8. A bottle according to any one of claims 5 to 7, characterized in that the diaphragm (14) is circular-ring-shaped.

9. A bottle according to claim 8, characterized in that the diaphragm (14) has an inner diameter of at least 15 mm, preferably of substantially 30 mm.

10. A bottle according to any one of claims 1 to 9, characterized in that the base cap (8) is designed calotte-shaped with a central elevated portion (16).

11. A bottle according to any one of claims 5 to 10, characterized in that the inner end portion (20) of the circular-ring-shaped diaphragm (14) abuts on the central elevated portion (16) of the base cap (8).

12. A bottle according to any one of claims 5 to 11, characterized in that the diaphragm (14) is inserted in the base cap (8) in a pre-stressed state.

13. A bottle according to any one of claims 1 to 12, characterized in that the shaft (21) has a wall thickness of substantially 2.00 mm to 2.50 mm, in particular of 2.25 mm, and the nipple (23), or the lip contacting region (22), respectively, has a wall thickness of substantially 1.20 mm to 1.50 mm, in particular of 1.35 mm.

14. A bottle according to any one of claims 1 to 13, characterized in that in the lip contacting region (22) at least one zone (25) is provided whose wall thickness is thinner than the wall thickness of the remaining lip contacting region (22).

15. A bottle according to claim 14, characterized in that the zone (25) has a wall thickness of substantially 1.30 to 1.60 mm, in particular of 1.45 mm.

16. A bottle according to claim 14 or 15, characterized in that the zone (25) of reduced wall thickness extends as far as into the nipple (23).

17. A bottle according to claim 16, characterized in that the zone (25) is substantially triangular in elevational view.

18. A bottle according to any one of claims 14 to 17, characterized in that the zone (25) of reduced wall thickness is reinforced by at least one stiffening rib (26).

19. A bottle according to claim 18, characterized in that the stiffening rib (26) in the region of the zone (25) of reduced wall thickness is provided on the inner side of the teat (9).

20. A bottle according to claim 18 or 19, characterized in that the stiffening rib (26) extends as far as into the nipple (23).
21. A bottle according to any one of claims 1 to 20, characterized in that the nipple (23) has a substantially oval cross-section, whereas the shaft (22) has a circular cross-section.
22. A bottle according to any one of claims 14 to 21, characterized in that two diametrically opposite zones (25) of reduced wall thickness are provided.
23. A bottle according to claim 22, characterized in that the two zones (25) of reduced wall thickness are located in the region of the flatter sides of the nipple (9).
24. A bottle according to any one of claims 14 to 23, characterized in that the teat surface in the lip contacting region (22), or the teat surface of the nipple (23), respectively, in particular the zone, or zones (25), respectively, of reduced wall thickness, at least partially have an increased surface roughness of 100  $\mu\text{m}$  at the most, in particular of 50  $\mu\text{m}$  at the most.
25. A bottle according to claim 24, characterized in that a surface roughness of approximately 10  $\mu\text{m}$  to approximately 40  $\mu\text{m}$ , preferably of 15  $\mu\text{m}$  to 30  $\mu\text{m}$ , is provided.
26. A bottle according to any one of claims 1 to 25, characterized in that the teat (9) is an injection-molded part.

27. A bottle according to any one of claims 1 to 26, characterized in that the teat (9) is made of a thermoplastic elastomer.

28. A bottle according to any one of claims 1 to 26, characterized in that the teat (9) is made of latex, silicone or the like elastomeric material.

29. A method of producing a bottle jacket (2) open at both sides for a bottle according to any one of claims 1 to 28, characterized in that the bottle jacket (2) is injection-molded from a polyolefin, in particular of polypropylene.

30. A method according to claim 29, characterized in that for designing the substantially conical bottle jacket (2), the bottle jacket (2) is produced with the help of a frusto-conical injection mold.

31. A method according to claim 29 or 30, characterized in that the bottle jacket (2) is injection-molded from transparent polypropylene, in particular from so-called random-copolymer polypropylene, metallocene-catalyzed polypropylene or the like.